

(No Model.)

3 Sheets—Sheet 1.

H. C. ZERFFI.
VENTILATING HAT.

No. 354,004.

Patented Dec. 7, 1886.

FIG: 1

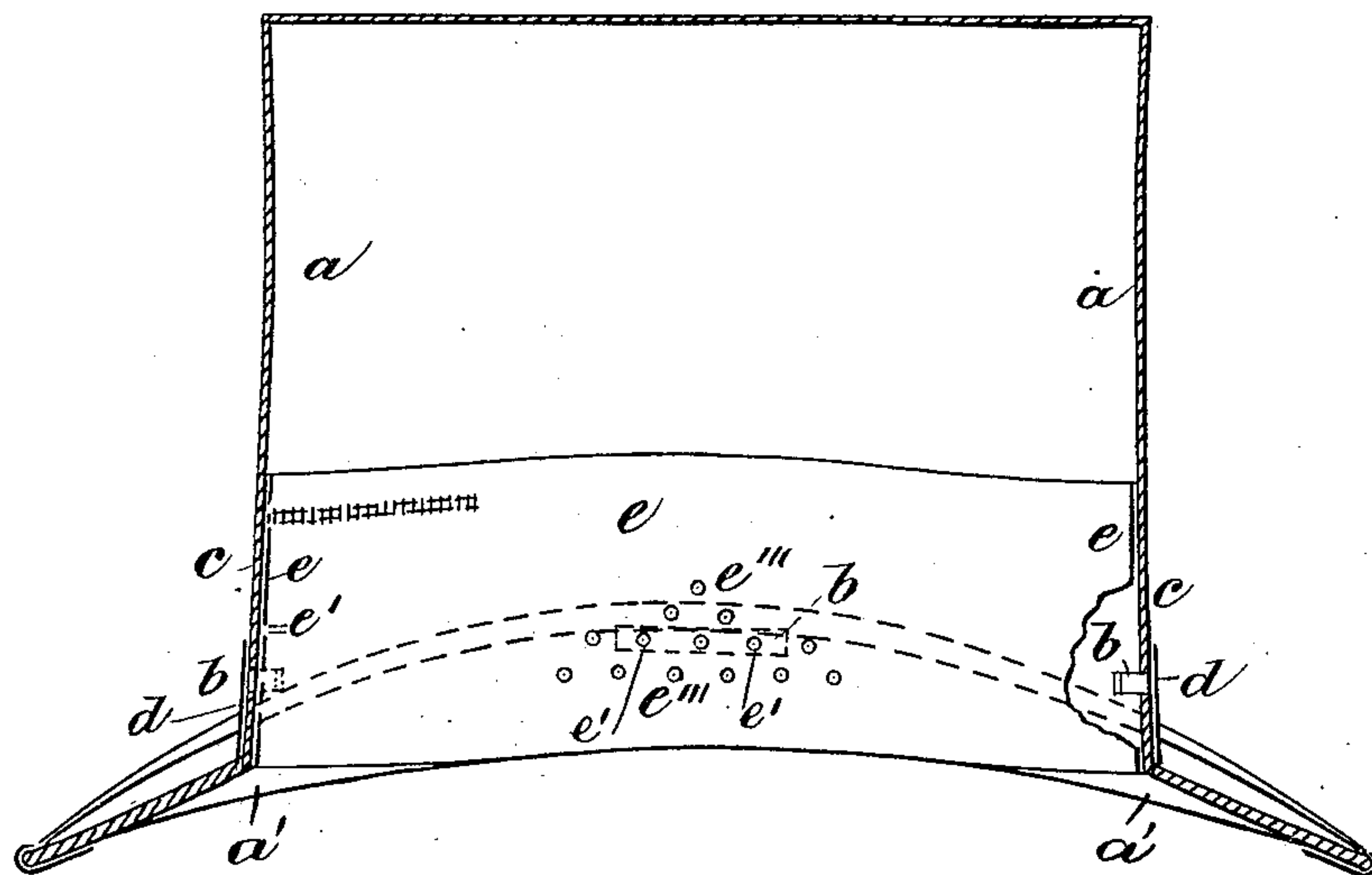
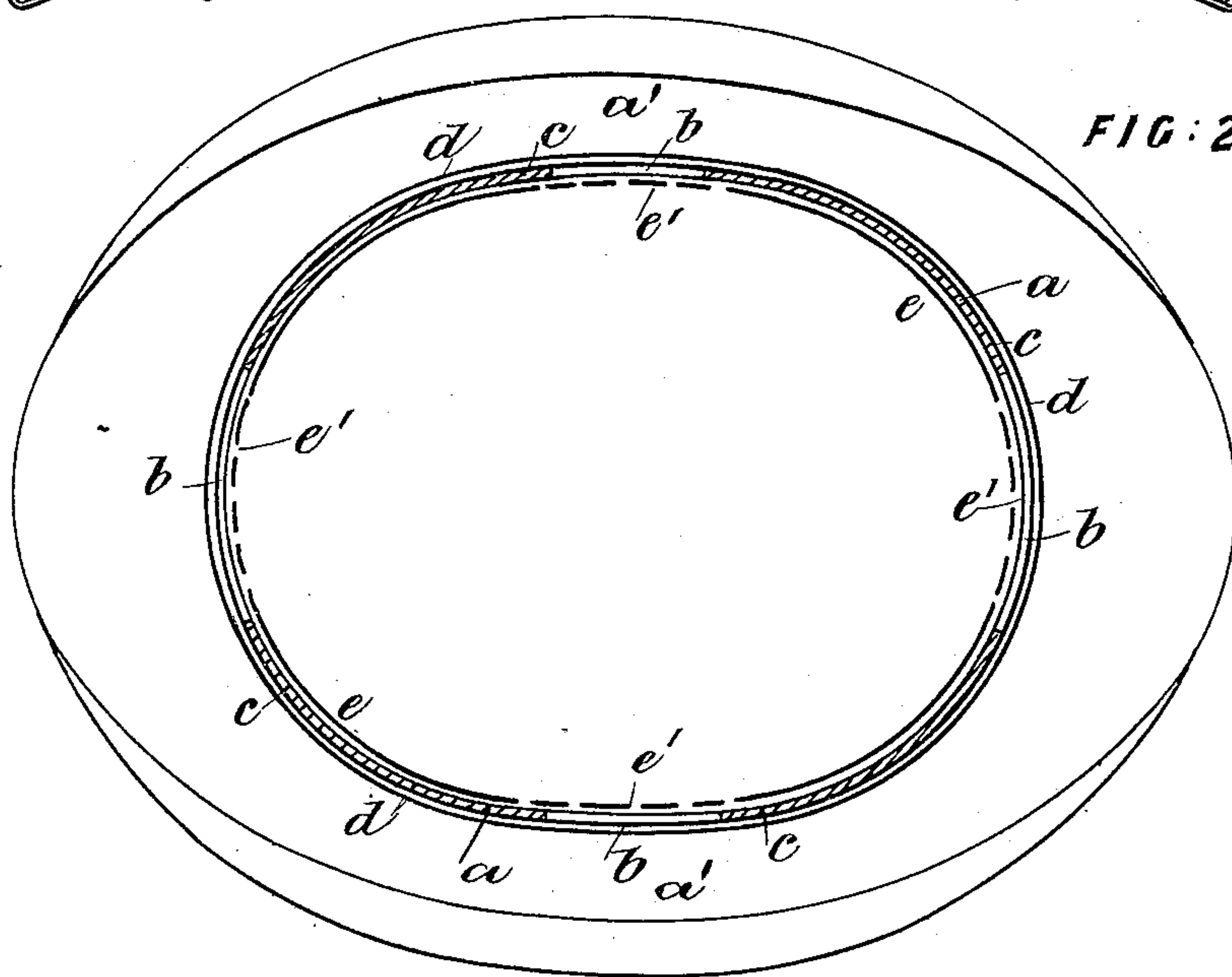


FIG: 2



Witnesses:
Edward Steer.
Geo. L. Wheelock

Inventor,
H. C. Zerffi
By Knights Bros
his Attys

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3 Sheets—Sheet 2.

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FIG. 3.

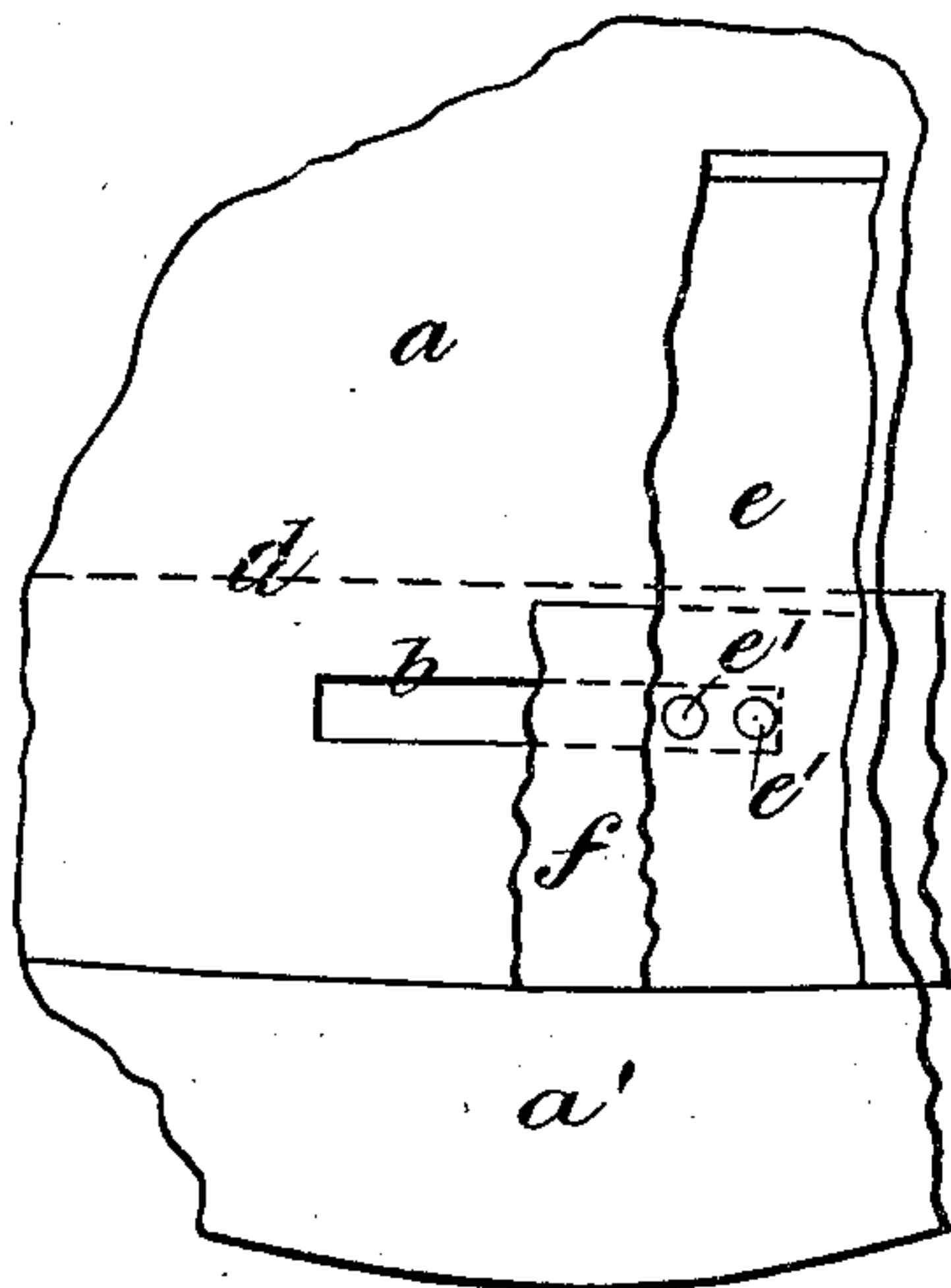
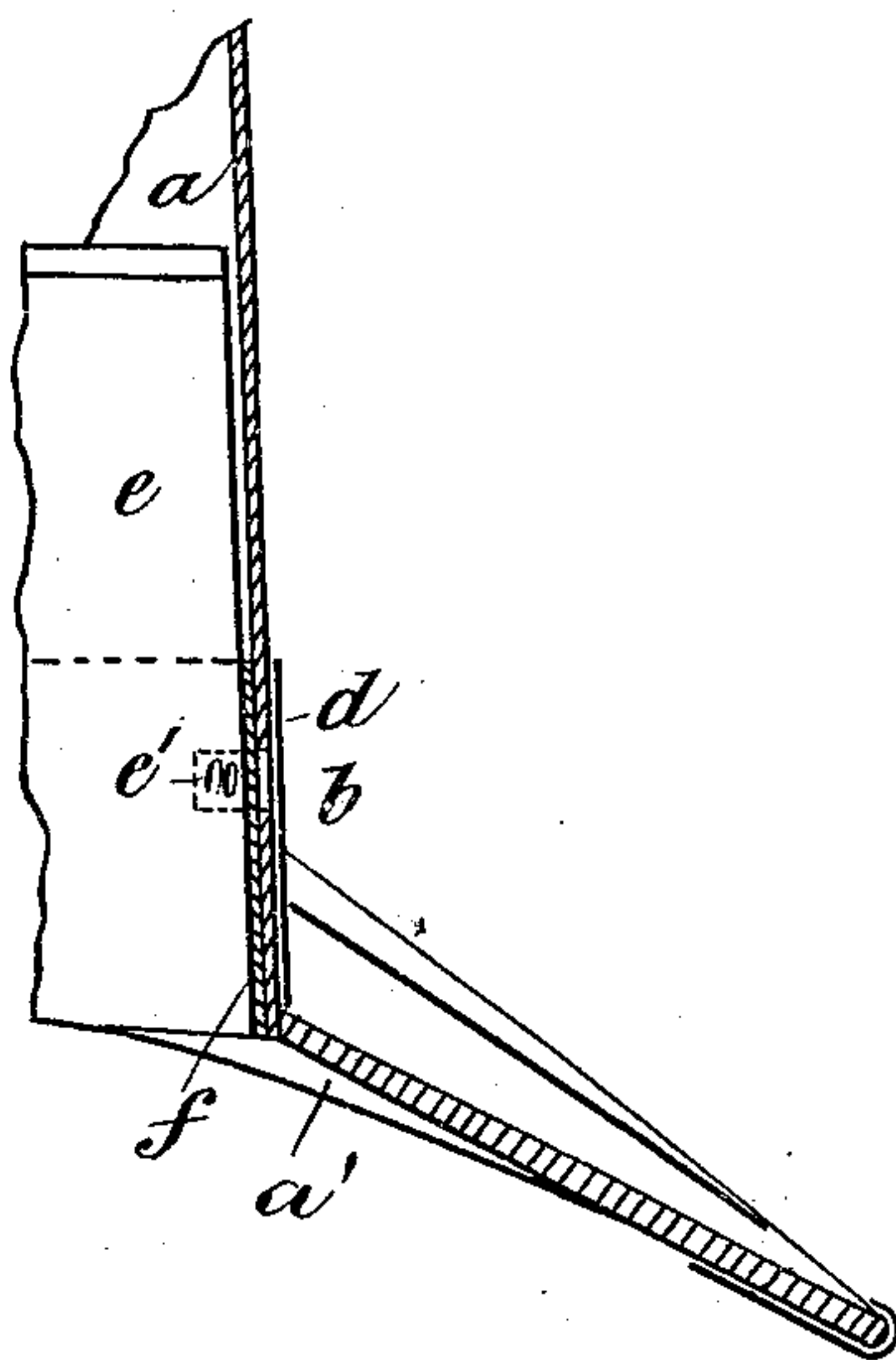


FIG. 4



Witnesses:
Edward Steer,
Geo. L. Wheelock.

Inventor,
H. C. Zerffi,
By *Knight Bros.*
his Attys.

(No Model.)

3 Sheets—Sheet 3.

H. C. ZERFFI.

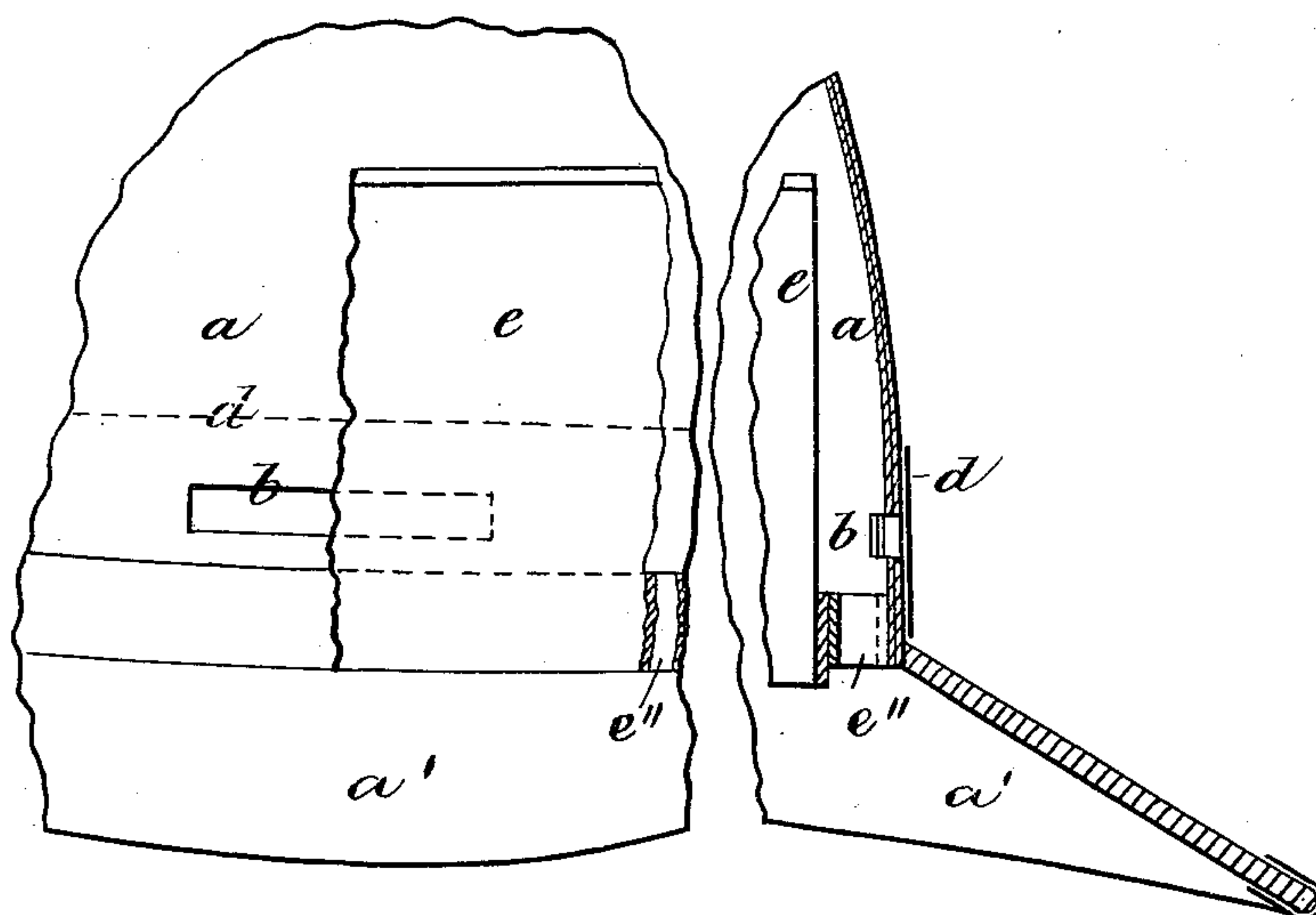
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FIG: 5

FIG: 6



Witnesses:
Edward Sterner
Geo. S. Wheelock

Inventor
H. C. Zerffi
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his attys.

UNITED STATES PATENT OFFICE.

HENRY C. ZERFFI, OF LONDON, ENGLAND.

VENTILATING HATS.

SPECIFICATION forming part of Letters Patent No. 354,004, dated December 7, 1886.

Application filed October 11, 1884. Serial No. 145,265. (No model.) Patented in England September 11, 1884, No. 12,302.

To all whom it may concern:

Be it known that I, HENRY CHARLES ZERFFI, of the firm of Macqueen and Company, of 14 and 15 Long Lane, Aldersgate street, in the city of London, England, hat-manufacturer, a subject of the Queen of Great Britain, have invented certain new and useful Improvements in Ventilating Hats, (for which English Letters Patent No. 12,302 were granted to me, dated September 11, 1884.) of which the following is a specification.

My invention relates to improvements in those hats in which air is admitted to the interior of the hat through the hat-band, while the dust is excluded.

My improvement consists in the means for ventilating hats hereinafter described, and pointed out in the claims.

My invention is represented in the accompanying drawings, in which like parts are marked with similar letters of reference.

Figure 1 is a vertical section, and Fig. 2 a horizontal section, of a hat provided with my means of ventilation. Fig. 3 is an interior view of a portion, and Fig. 4 is a vertical section of a portion, of a felt hat. Fig. 5 is an interior view of a portion, and Fig. 6 is a vertical section of a portion, of a helmet.

a is the body of the head-covering, in which are formed slots *b*, providing long and narrow apertures running parallel with the brim *a'* of the head-covering. The body *a* may have a covering, *c*, of silk or be formed of felt.

d is the hat-band, which may consist of an ornamental covering.

e is the lining or sweat-band, having perforations or openings *e'*, registering with the slots in the body. Instead of, or in addition to, the perforations *e'*, I sometimes leave a

space, *e''*, between the body *a* and the lining or sweat *e*.

f is a band of filtering material between the body *a* and sweat *e*.

In all cases the hat-band covers the slots *b*, so as to form a filter for the air.

In Figs. 1 and 2 the silk covering *c* extends over the slots to provide an additional filtering-band, and the sweat has additional perforations, *e''*, surrounding those that register with the slots *b*. In Figs. 1 and 2 the slots *b* are cut right through the silk covering, to permit the air to pass more freely into the interior of the hat.

I prefer to form the filtering material *f* of flannel or medicated material, or it may be a band having suitable antiseptics applied thereto.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination of a body, *a*, formed with slots *b*, providing long narrow apertures running parallel with the brim, body-covering *c*, a band, *d*, medicated filtering substance *f*, and a sweat, *e*, having openings, substantially as described.

2. The combination of a body, *a*, formed with slots *b*, providing long narrow apertures running parallel with the brim, body-covering *c*, extending over the slots, a band, *d*, medicated filtering substance *f*, and a sweat, *e*, having openings registering with the slots, substantially as described.

H. C. ZERFFI.

Witnesses:

C. M. WHITE,
JOHN D. VENN.